

FORSPAN ASSESSMENT MODEL FOR CONTINUOUS ACCUMULATIONS--BASIC INPUT DATA FORM (Version 4, 10-5-00)

IDENTIFICATION INFORMATION

Assessment Geologist:...	S.B. Roberts and R.C. Johnson	Date:	10/16/2000
Region:.....	North America	Number:	5
Province:.....	Uinta-Piceance	Number:	5020
Total Petroleum System:..	Mesaverde	Number:	502002
Assessment Unit:.....	Mesaverde Group Coalbed Gas	Number:	50200282
Based on Data as of:.....	PI production data current through third quarter 1999		
Notes from Assessor:.....	Excludes the Blackhawk Formation.		
	Coalbed gas potential assessed to depth of 6,000 ft.		

CHARACTERISTICS OF ASSESSMENT UNIT (A.U.)

Assessment-Unit type: Oil (<20,000 cfg/bo) or Gas (>20,000 cfg/bo) Gas

What is the minimum total recovery per cell?... 0.02 (mmbo for oil A.U.; bcfg for gas A.U.)

Number of evaluated cells:..... 90

Number of evaluated cells with total recovery per cell \geq minimum: 18

Established (>24 cells \geq min.) Frontier (1-24 cells) X Hypothetical (no cells)

Median total recovery per cell (for cells \geq min.): (mmbo for oil A.U.; bcfg for gas A.U.)

1st 3rd discovered	<u>0.25</u>	2nd 3rd	<u>0.09</u>	3rd 3rd	<u>0.04</u>
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Assessment-Unit Probabilities:

Attribute	Probability of occurrence (0-1.0)
1. CHARGE: Adequate petroleum charge for an untested cell with total recovery \geq minimum	<u>1.0</u>
2. ROCKS: Adequate reservoirs, traps, seals for an untested cell with total recovery \geq minimum.	<u>1.0</u>
3. TIMING: Favorable geologic timing for an untested cell with total recovery \geq minimum.....	<u>1.0</u>

Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):..... 1.0

4. **ACCESS:** Adequate location for necessary petroleum-related activities for an untested cell with total recovery \geq minimum 1.0

NO. OF UNTESTED CELLS WITH POTENTIAL FOR ADDITIONS TO RESERVES IN NEXT 30 YEARS

1. Total assessment-unit area (acres): (uncertainty of a fixed value)

minimum <u>4,280,000</u>	median <u>4,815,000</u>	maximum <u>5,350,000</u>
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2. Area per cell of untested cells having potential for additions to reserves in next 30 years (acres):
(values are inherently variable)

minimum <u>40</u>	median <u>120</u>	maximum <u>280</u>
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3. Percentage of total assessment-unit area that is untested (%): (uncertainty of a fixed value)

minimum <u>99.7</u>	median <u>99.8</u>	maximum <u>99.9</u>
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4. Percentage of untested assessment-unit area that has potential for additions to reserves in next 30 years (%): (a necessary criterion is that total recovery per cell \geq minimum)
(uncertainty of a fixed value)

minimum <u>1</u>	median <u>5</u>	maximum <u>14</u>
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TOTAL RECOVERY PER CELL

Total recovery per cell for untested cells having potential for additions to reserves in next 30 years:

(values are inherently variable)

(mmbo for oil A.U.; bcfg for gas A.U.) minimum 0.02 median 0.08 maximum 5**AVERAGE COPRODUCT RATIOS FOR UNTESTED CELLS**

(uncertainty of a fixed value)

Oil assessment unit:	minimum	median	maximum
Gas/oil ratio (cfg/bo).....	<u> </u>	<u> </u>	<u> </u>
NGL/gas ratio (bngl/mmcf).....	<u> </u>	<u> </u>	<u> </u>
Gas assessment unit:			
Liquids/gas ratio (bliq/mmcf).....	<u>0</u>	<u>0</u>	<u>0</u>

SELECTED ANCILLARY DATA FOR UNTESTED CELLS

(values are inherently variable)

Oil assessment unit:	minimum	median	maximum
API gravity of oil (degrees).....	<u> </u>	<u> </u>	<u> </u>
Sulfur content of oil (%).....	<u> </u>	<u> </u>	<u> </u>
Drilling depth (m)	<u> </u>	<u> </u>	<u> </u>
Depth (m) of water (if applicable).....	<u> </u>	<u> </u>	<u> </u>
Gas assessment unit:			
Inert-gas content (%).....	<u>0.10</u>	<u>0.30</u>	<u>1.00</u>
CO ₂ content (%).....	<u>0.20</u>	<u>4.00</u>	<u>15.00</u>
Hydrogen-sulfide content (%).....	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Drilling depth (m).....	<u>100</u>	<u>1000</u>	<u>1830</u>
Depth (m) of water (if applicable).....	<u> </u>	<u> </u>	<u> </u>

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES
Surface Allocations (uncertainty of a fixed value)

1. <u>CO Total</u>	represents	<u>73.42</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u> </u>	<u>90</u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u>0</u>	<u> </u>
2. <u>UT Total</u>	represents	<u>26.58</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u> </u>	<u>10</u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u>0</u>	<u> </u>
3. <u> </u>	represents	<u> </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>
4. <u> </u>	represents	<u> </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>

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5.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
6.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
7.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
8.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES

Surface Allocations (uncertainty of a fixed value)

1. <u>Federal Lands</u>	represents	69.49	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....			
Portion of volume % that is offshore (0-100%)..			
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....		35	
Portion of volume % that is offshore (0-100%)..		0	
2. <u>Private Lands</u>	represents	23.67	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....			
Portion of volume % that is offshore (0-100%)..			
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....		60	
Portion of volume % that is offshore (0-100%)..		0	
3. <u>Tribal Lands</u>	represents	0.91	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....			
Portion of volume % that is offshore (0-100%)..			
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....		1	
Portion of volume % that is offshore (0-100%)..		0	
4. <u>Other Lands</u>	represents	0.08	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....			
Portion of volume % that is offshore (0-100%)..			
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....		0	
Portion of volume % that is offshore (0-100%)..		0	

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5. <u>CO State Lands</u>	represents	<u>0.64</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>3</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
6. <u>UT State Lands</u>	represents	<u>5.21</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>1</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
7. _____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
8. _____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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9.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
10.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
11.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
12.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS
Surface Allocations (uncertainty of a fixed value)

1. <u>Bureau of Land Management (BLM)</u>	represents	<u>52.3</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>26.34</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
2. <u>BLM Wilderness Areas (BLMW)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
3. <u>BLM Roadless Areas (BLMR)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
4. <u>National Park Service (NPS)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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5. <u>NPS Wilderness Areas (NPSW)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
6. <u>NPS Protected Withdrawals (NPSP)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
7. <u>US Forest Service (USFS)</u>	represents	<u>17.18</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>8.65</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
8. <u>USFS Wilderness Areas (USFSW)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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9. <u>USFS Roadless Areas (USFSR)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
10. <u>USFS Protected Withdrawals (USFSP)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
11. <u>US Fish and Wildlife Service (USFWS)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
12. <u>USFWS Wilderness Areas (USFWSW)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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13. <u>USFWS Protected Withdrawals (USFWSP)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
14. <u>Wilderness Study Areas (WS)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
15. <u>Department of Energy (DOE)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
16. <u>Department of Defense (DOD)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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17. <u>Bureau of Reclamation (BOR)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
18. <u>Tennessee Valley Authority (TVA)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
19. <u>Other Federal</u>	represents	<u>0.01</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>0.01</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
20. _____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS

Surface Allocations (uncertainty of a fixed value)

1. <u>North-Central Highlands (NCHL)</u>	represents	<u>24.67</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>24.67</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
2. <u>Northern Canyon Lands (NCLD)</u>	represents	<u>6.69</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>6.69</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
3. <u>Tavaputs Plateau (TPPT)</u>	represents	<u>56.28</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>56.28</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
4. <u>Uinta Basin (UTBA)</u>	represents	<u>10.24</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>10.24</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____

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5. <u>Uinta Mountains (UTMT)</u>	represents	<u>2.12</u>	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	<u> </u>		<u>2.12</u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u>0</u>	<u> </u>
6. <u> </u>	represents	<u> </u>	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>
7. <u> </u>	represents	<u> </u>	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>
8. <u> </u>	represents	<u> </u>	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	<u> </u>		<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>		<u> </u>	<u> </u>

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9. _____	represents _____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
10. _____	represents _____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
11. _____	represents _____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
12. _____	represents _____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES
Subsurface Allocations (uncertainty of a fixed value)

Based on Data as of: Data through 1998

1. All Federal Subsurface represents 77 areal % of the assessment unit

<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>

<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u> </u>	<u>40</u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u>0</u>	<u> </u>

2. Other Subsurface represents 23 areal % of the assessment unit

<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u> </u>	<u> </u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u> </u>	<u> </u>

<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u> </u>	<u>60</u>	<u> </u>
Portion of volume % that is offshore (0-100%)..	<u> </u>	<u>0</u>	<u> </u>



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